

RIDGID

Work-Saver
PIPE TOOLS

- ★ **PIPE WRENCHES**
- ★ **THREADERS**
- ★ **CUTTERS**
- ★ **VICES**
- ★ **EXTRACTORS**
- ★ **REAMERS**
- ★ **PORTABLE POWER DRIVES**

THE RIDGE TOOL COMPANY • ELYRIA, OHIO, U.S.A.

New RIGID "400"

Portable Power Drive

For operating
hand Pipe Threaders
Cutters and Reamers

Chuck wrench in rubber holder when not in use.

Bolts to bench through recessed bolt holes in feet.

Handy recessed switch—protects against bumps.

Steel tool shelf and fittings standard equipment, easily mounted. (Legs not furnished.)

Positive chuck wrench ejector, each side.

Cover takes 2 1/2" RIGID Vise; bosses are marked on under side of cover for drilling and attaching.

New RIGID 3-jaw lathe-type scroll chuck.

Universal motor, forward and reverse, 25 to 60 cycle, AC or DC. Plugs in any 110 volt light socket.

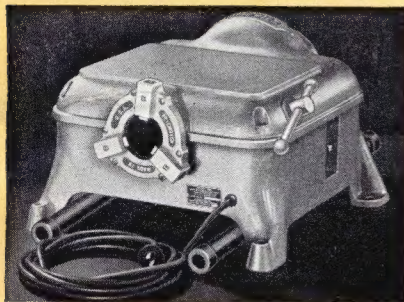
Two tool rest-bars. Left bar has tool handle safety latch.

Capacity 1/8" to 2" pipe; 1/4" to 1 1/2" bolts. With RIGID Universal Drive Shaft, geared die stocks and cutters up to 8".

RIGID Model "400" is a rugged machine requiring practically no maintenance. Lubrication is completely sealed in; no oil to spill, even up-side down.

**Lightest Weight
Power Unit Made!**

Drive shaft rides at both ends in oilless graphite bronze bearing.



Rear or workholder end of Model "400" Power Drive, turns with pipe.

RIGID Universal Drive Shaft available, range 2 1/2" to 8"; requires anchoring Power Drive to floor or bench for smoothest operation.

Easy to lift into your truck — weighs far less than you expect.



RIGID Power operates your hand threaders, cutters, reamers.



Here's power where you want it. New Model "400" gives you portable light weight, extra efficiency, easy operation—highly durable construction. You'll enjoy using it. Order from your Supply House.



New **RIGID**

No. 4P Geared Threader

**Threads 2½" to 4" Pipe, Complete with
4 Sets of 5 High-Speed Steel Dies**

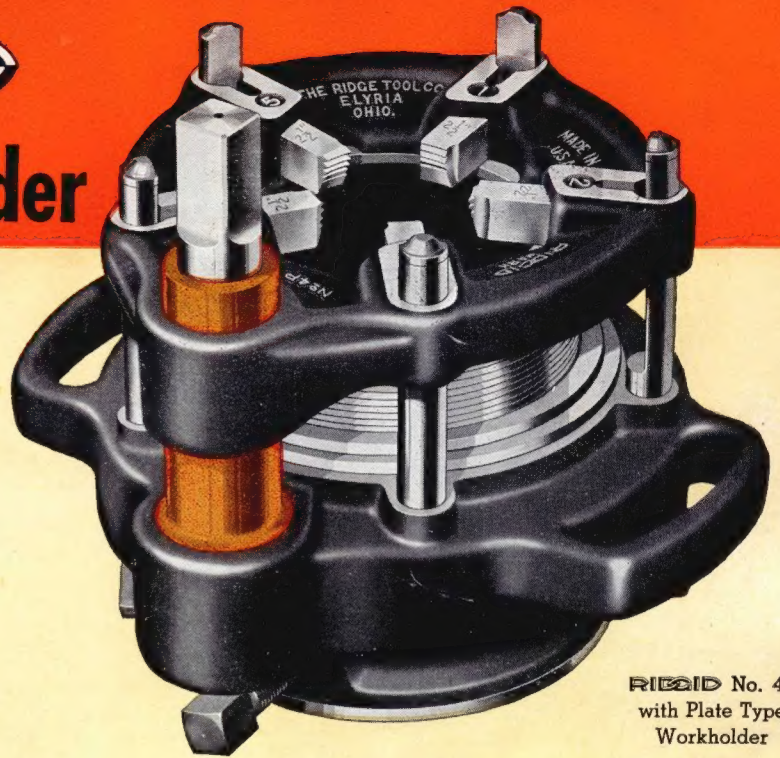
You get new ease of handling and long life of clean positive threading with this new **RIGID** all steel-and-malleable No. 4P Poster Threader for 2½" to 4" pipe.

Equipped with mistake-proof **RIGID** plate type workholder, you quickly set it to pipe size by two knurled screws before putting on the pipe — only one screw to tighten on pipe, no bushings to bother with or lose.

Husky loop handles cast on the gear cover for good balance make the 4P unusually easy to handle without slipping or tipping over. You'll like the fact that this die stock is not only easy to carry by one handle but to lift and put on the pipe.

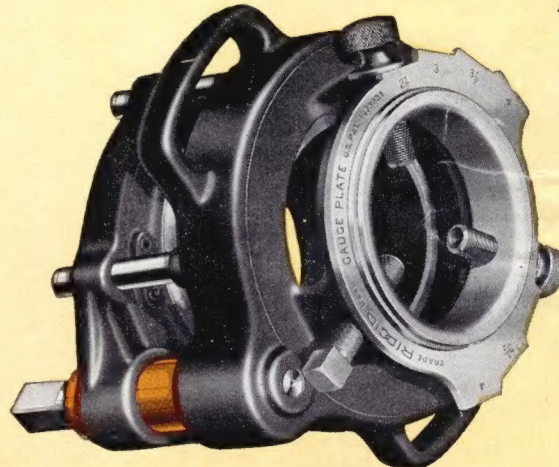
The 4P requires practically no upkeep. Its precision driving pinion turns in an oilless bronze bearing that never requires oil; fully enclosed gear running in grease protects user and keeps out dirt. Drive pinion is solidly twin-anchored to face plate and gear housing for years of positive service.

RIGID design universal drive shaft available for power drive. Ratchet handle for hand threading, furnished with each die stock. Workholder adjusting screw wrench also furnished.



RIGID No. 4P
with Plate Type
Workholder

Patent No. 1,973,231.
Other patents
applied for



View of work-
holder end of 4P



New **RIGID** Design Universal Drive-shaft
available. **RIGID** Ratchet Handle For
Hand Threading.

Four sets of five high-speed steel chaser dies for 2½", 3", 3½" and 4" pipe give you clean smooth standard or tapered threads, U. S. Standard or Whitworth, with least effort, last longer without regrinding or replacing. Dies are held by spring and ball, can't drop out. Chaser slots are closed on top against dirt and chips, won't stretch. Design assures threads perfectly straight on pipe; 4P also cuts drip threads and short nipples, is semi-adjustable for over-and-under-size threads. Clear "Standard" line on posts makes setting easy.

Like all **RIGID** Pipe Tools, this new 4P offers you work-saver advantages and precision-built quality and durability that make it a lot more tool satisfaction for your money. Order the new 4P from your Supply House.

Loop handles make new No. 4P extra easy
to put on pipe.



Easily carried

RIGID Pipe Wrenches



Guarantee You Against Wrench Housing Troubles and Expense

RIDGID is the only pipe wrench with an unconditionally guaranteed housing: if it ever breaks or distorts, it is replaced free. That feature practically ends the problem of wrenches out of use for repairs and the bother and expense involved; fewer spares needed. You get safe strength in housing, handle and jaws. Heeljaw is replaceable, hookjaw has handy pipe scale; jaws are designed for quick positive grip, instant let-go; won't lock on a pipe. Adjusting nut in open housing is easy to get hold of, always spins easily. I-beam handle is comfortable to the hand; convenient hang-up hole. Regular wrench made in all sizes from 6" to 60". End pattern for pipe in coils or against flat surfaces is made in 6" to 36" sizes. You do more work with less effort and reduce your tool costs with the **RIDGID**.



Patent
No. 1,727,623

RIDGID Wrenches comply with Federal Specifications EGGG-W-651a. Type II, Heavy-Duty. End Wrench — Fig. 7, Type VI.

RIDGID Pipe Wrench Parts

Genuine **RIDGID** Wrench parts are identical with those assembled into your original wrench. You may have jaws factory reconditioned like new at half the cost of new parts, by ordering through your Supply House.

List Prices of Wrenches and Parts

List Prices Subject to Usual Trade Discounts

SIZE	Complete Wrench	Straight Handle Assembly	End Handle Assembly	Rubber Grip	Hook Jaw	Heel Jaw & Pin	Pin	Coil Spring	Flat Spring	Nut	Capacity Inches	Weight Each Lbs.	Weight 6 to a Box Lbs.
6" & E 6"	\$1.90	\$1.75	\$1.75		.65	.40	.03	.03	.20	.15	3/4	1/2	2 1/2
8" & E 8"	2.20	1.95	1.95		.70	.45	.03	.03	.20	.15	1	3/4	5
10" & E10"	2.85	2.50	2.50	.40	1.10	.55	.04	.03	.20	.20	1 1/2	1 3/4	10 3/4
12" & E12"	3.35	2.85	2.85		1.25	.65	.04	.03	.25	.25	2	2 3/4	17
14" & E14"	3.85	3.45	3.45	.50	1.50	.65	.04	.03	.30	.30	2	3 1/2	20 1/2
18" & E18"	5.50	4.95	4.95		2.15	.75	.04	.04	.40	.35	2 1/2	5 1/4	32
24" & E24"	9.50	7.95	7.95		3.50	.85	.04	.04	.50	.55	3	8 3/4	52
36" & E36"	20.00	15.00	15.00		5.70	1.15	.05	.04	.60	1.10	4 1/2	16 1/4	
48"	30.00	25.00			9.00	2.05	.05	.04	.80	2.00	6	28	
60"	45.00	35.00			17.00	4.55	.05	.04	1.50	4.00	8	43 1/4	

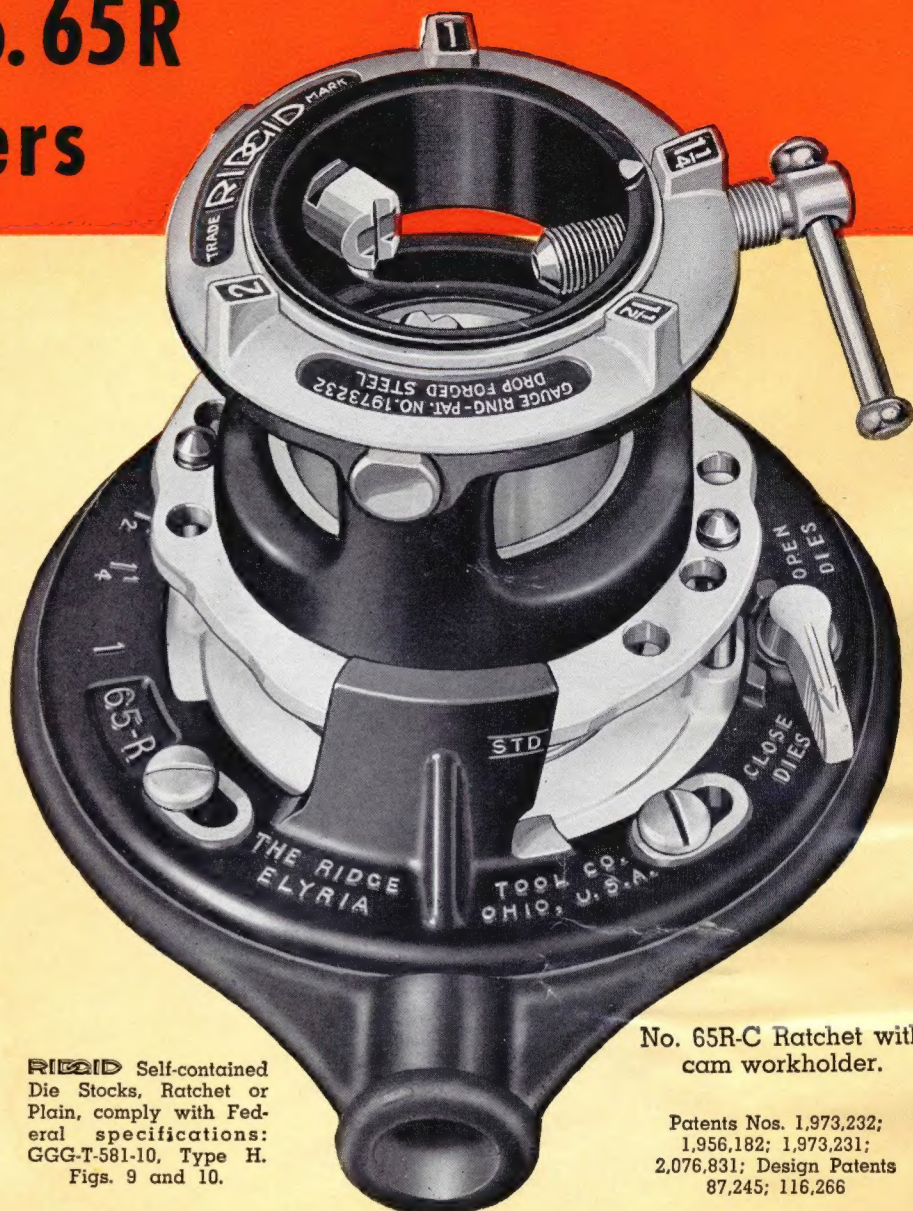


RIGID No. 65R

Pipe Threaders

Self-Contained die stock that threads 1" to 2" pipe with ONE set of chaser dies

You cut perfect threads on iron, steel, brass or copper pipe and conduit with these self-contained No. 65Rs—in less time and with less effort. They adjust to thread 1", 1¼", 1½" or 2" pipe in 10 seconds! One set of dies, no changing, no extra dies to carry around or lose. Closed chaser slots on die face can't stretch. Pull of handle directly over chasers, no cock or wobble. Thumb lever releases dies for quick back-off. Handy stand-up feet. Your choice of 2 speedy mistake-proof workholders—no bushings. Automatic cam type—turn gauge ring to pipe size. Plate type—turn screws to size on plate. Both workholders handle drip and extra long threads, over and undersize pipe; take 2" couplings to thread 2" close nipples. Chaser dies of high-speed steel are precision cut. Rugged steel and malleable construction, with drop-forged hardened steel cam plate. Buy 65Rs for time-and-work-saving and better threads.



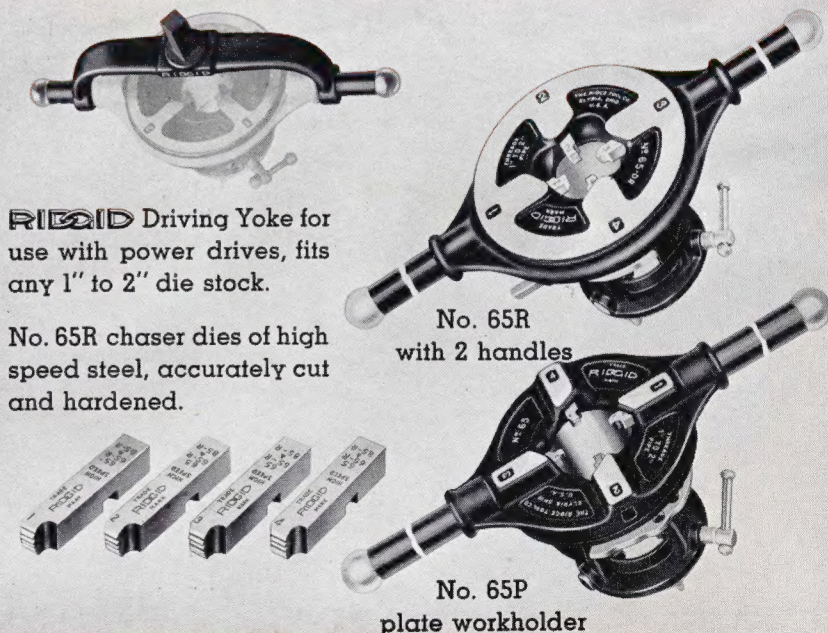
RIDGID Self-contained Die Stocks, Ratchet or Plain, comply with Federal specifications: GGG-T-581-10, Type H. Figs. 9 and 10.

No. 65R-C Ratchet with cam workholder.

Patents Nos. 1,973,232;
1,956,182; 1,973,231;
2,076,831; Design Patents
87,245; 116,266



No. 65R-P Ratchet with plate workholder.



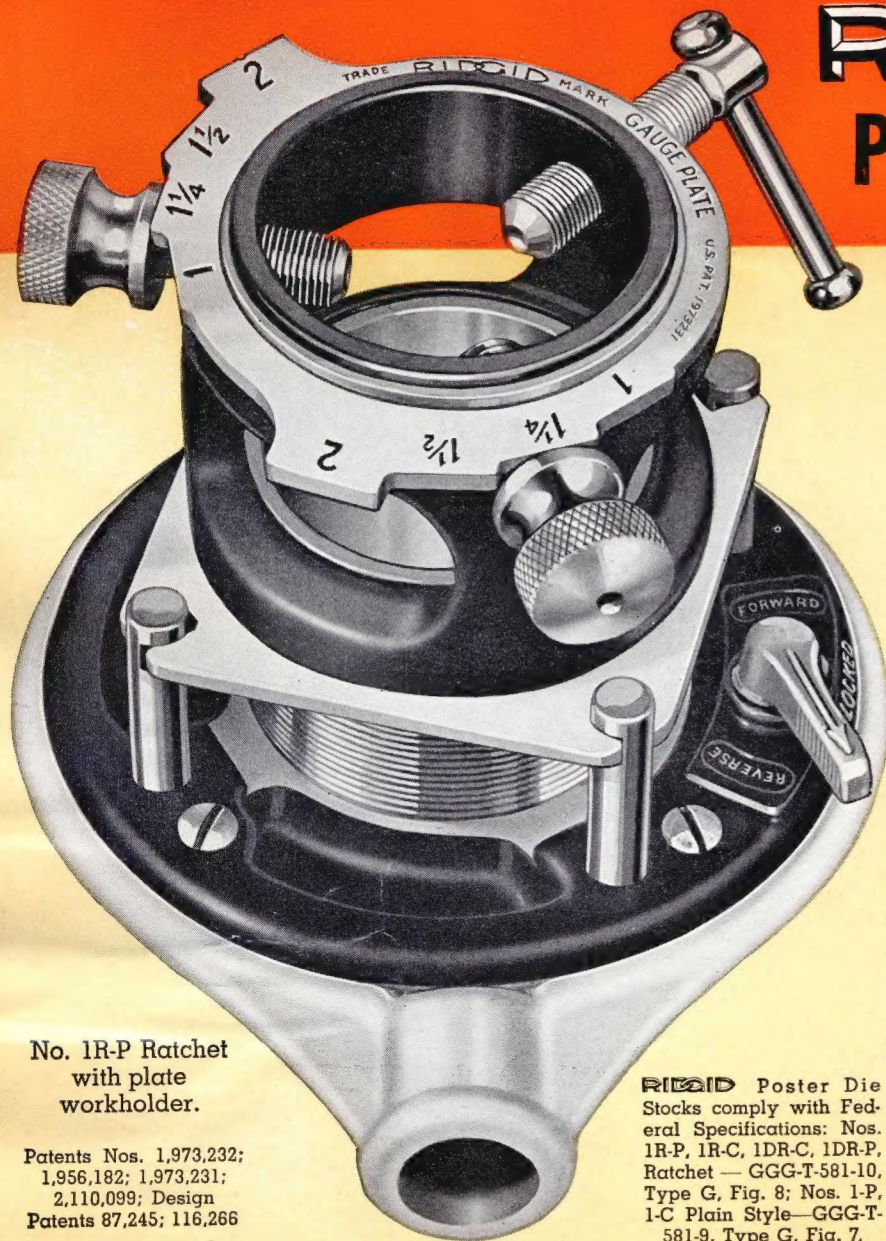
RIDGID Driving Yoke for use with power drives, fits any 1" to 2" die stock.

No. 65R chaser dies of high speed steel, accurately cut and hardened.

No. 65R with 2 handles

No. 65P plate workholder

RIGID No. 1R Poster Threaders



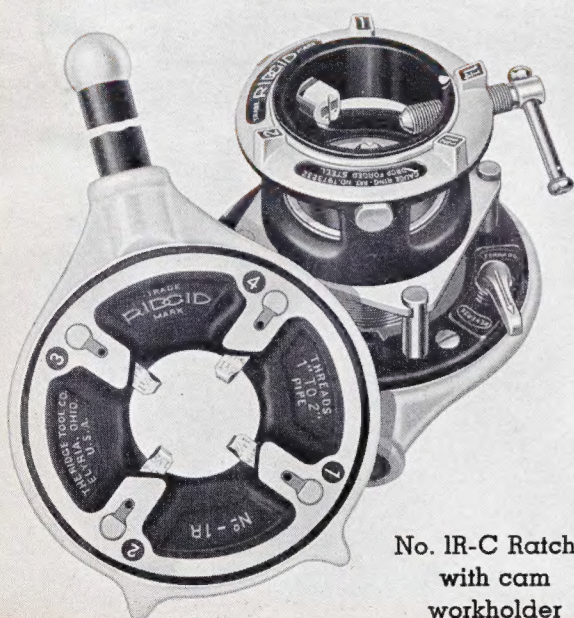
No. 1R-P Ratchet
with plate
workholder.

Patents Nos. 1,973,232;
1,956,182; 1,973,231;
2,110,099; Design
Patents 87,245; 116,266

RIGID Poster Die
Stocks comply with Fed-
eral Specifications: Nos.
1R-P, 1R-C, 1DR-C, 1DR-P,
Ratchet — GGG-T-581-10,
Type G, Fig. 8; Nos. 1-P,
1-C Plain Style—GGG-T-
581-9, Type G, Fig. 7.

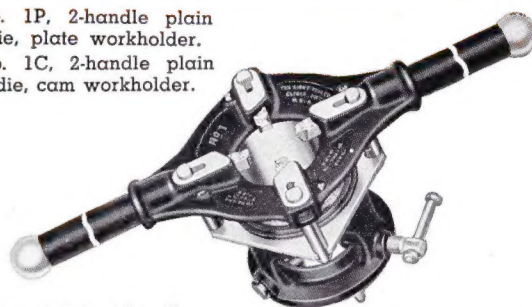
Offer You Rugged Strength, Mistake-Proof Workholders and Interchangeable Chaser Dies

New durability, smooth threading and work-
saving in these **RIGID** Poster threaders. Strong steel and malleable construction. Thread 1" to 2" pipe with 4 sets of dies, all kinds of pipe and conduit. Same size, same number chaser dies are interchangeable. Replaceable full-floating posts—no distorting pressure on them; they merely taper thread. Closed chaser slots on die face can't stretch. Thumb lever reverses ratchet, locks it for solid die. Handle pull right over chasers, direct power to dies—no cock or wobble. Choice of 2 quick-action mistake-proof workholders—no bushings. Auto-
matic cam type—turn gauge ring to pipe size. Plate type—turn screws to size on plate. Both workholders handle drip and extra long threads, over and undersize pipe; take 2" couplings to thread 2" close nipples. All these advantages are yours at low cost in **RIGID** Posters.



No. 1R-C Ratchet
with cam
workholder

No. 1P, 2-handle plain
die, plate workholder.
No. 1C, 2-handle plain
die, cam workholder.



No. 1DR-P, 2-handle
ratchet, plate workholder.
No. 1DR-C, 2-handle
ratchet, cam workholder.



Chaser dies, 1", 1 1/4", 1 1/2", alloy
steel; 2", high speed steel. Also
1", 1 1/4", 1 1/2" high speed steel,
if desired.

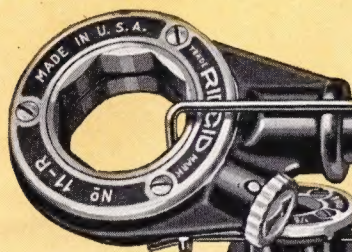
RIGID Threaders for Small Pipe

Handy Ratchet Dies that save you time and work

Patents Nos. 2,219,721;
2,242,954; 2,255,009

No. 00-R

1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
1/8, 1/4, 3/8, 1/2, 3/4 inch
1/4, 3/8, 1/2, 3/4, 1 inch
1/4, 3/8, 1/2, 3/4 inch
3/8, 1/2, 3/4, 1 inch
3/8, 1/2, 3/4 inch
1/2, 3/4, 1 inch
1/2, 3/4 inch



No. 0R

1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
1/8, 1/4, 3/8, 1/2, 3/4 inch
1/4, 3/8, 1/2, 3/4, 1 inch
1/4, 3/8, 1/2, 3/4 inch
3/8, 1/2, 3/4, 1 inch
3/8, 1/2, 3/4 inch
1/2, 3/4, 1 inch
1/2, 3/4 inch

RIGID Pipe Threaders comply with Federal Specifications:
Nos. 00-R, 0-R, 11-R, 111R Ratchet Die Stocks. Fig. 4, Type D;
Nos. 30-A, 31-A, 3-Way Die Stocks, Fig. 5, Type E.

No. 111R

1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 inch
1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
1/4, 3/8, 1/2, 3/4, 1, 1 1/4 inch
1/4, 3/8, 1/2, 3/4, 1 inch
3/8, 1/2, 3/4, 1, 1 1/4 inch
3/8, 1/2, 3/4, 1 inch
1/2, 3/4, 1, 1 1/4 inch
1/2, 3/4, 1 inch

No. 12R—1/8 to 2 inch, in
all combinations, as above.

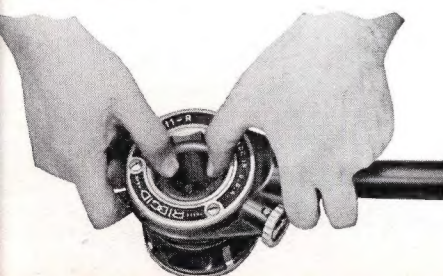
No. 11R

1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 inch
1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
1/4, 3/8, 1/2, 3/4, 1, 1 1/4 inch
1/4, 3/8, 1/2, 3/4, 1 inch
3/8, 1/2, 3/4, 1, 1 1/4 inch
3/8, 1/2, 3/4, 1 inch
1/2, 3/4, 1, 1 1/4 inch
1/2, 3/4, 1 inch

To thread pipe close
to wall, simply turn
dies upside-down
and place in slots
as numbered on
head and dies—no
special dies needed.



No. 0R and 11R die heads push out of
ratchet ring easily for changing, but
can't fall out.



RIGID Nos. 0R, 11R, 00R, 111R and 12R

EASIER, better threading of 1/8" to 2" pipe with these
rugged steel & malleable dies. No. 00R, 111R & 12R die
heads lock in or release by pull of ratchet knob. Nos. 0R and
11R die heads push out easily for changing, snap in from
either side, can't fall out. Separate sets of alloy steel
chaser dies, quickly removed for regrinding or reversed
for close-to-wall threads. Electrical conduit dies at regular
die prices. Convenient carrier free with complete sets.

RIGID 3-WAY DIE STOCKS

Convenient compact threaders, with same handy reversal
of chasers for close-to-wall threads, same alloy chasers
easily removed for regrinding as ratchet dies described
above.

No. 30-A

Threads 1/8", 1/2", 3/4" pipe

No. 31-A

Threads 1/2", 3/4", 1" pipe



RIGID

Threader Parts List

Parts for 65R and 1R Die Stocks

Genuine **RIGID** parts for 65R and 1R poster die stocks are illustrated at left and may be identified from the following list. Parts for 65 and 65R Die Stocks are marked (65); parts for 1 and 1R Die Stocks are marked (1). When ordering parts specify part number, die number and size.

No.	Part	No.	Part
2, 3.	Heads (65)	25.	Workholder for Cam Type Die (65,1)
5, 6.	Drive Plates (65)	26.	Workholder for Plate Type Die (65,1)
7.	Drive Plate Screw (65)	27.	Workholder Gauge Screws (65,1)
8.	Drive Plate Shoulder Screw (65)	28, 29, 30, 31.	Chasers (1)
9.	Cam Plate (65)	32.	Change Plate (65)
10.	Ratchet Ring, Single (65)	33.	Gauge Ring or Gauge Plate Spring Ring (65,1)
11.	Ratchet Ring, Double (65)	34.	Change Plate or Post Plate Spring Ring (65,1)
12.	Gauge Ring (65,1)	35.	Workholder Clamp Screw Assembled (65,1)
13.	Release Cam (1)	36.	Back Plate (1)
14.	Ratchet Pawl (65,1)	37.	Ratchet Ring, Double (1)
15.	Release Cam Flat Spring (65,1)	38.	Posts (1)
16.	Cam Lever Pin (65,1)	39.	Back Plate Screws (1)
17.	Release or Ratchet Cam Lever (65,1)	40.	Plate for Taper Posts (1)
18.	Release Cam Shoe (65)	41, 42.	Heads (1)
19.	Release Cam (65)	43.	Ratchet Ring, Single (1)
20.	Slide for Cam (1)	44.	Handle (24"), (65,1)
21.	Pawl Spring (65,1)	45.	Handle (19"), (65,1)
22.	Gauge Plate (65,1)		
23.	Chasers (65)		
24.	Workholder Jaws (65,1)		

Parts for Small Ratchet and 3-Way Threaders

Illustration at left below. When ordering parts, specify part no., type die and size.

No.	Part	No.	Part
46.	Ratchet Handle (00R, OR, 11R, 111R)	59.	Chasers (00R, OR, 11R, 111R, 30A, 31A)
47.	Handle (30A, 31A)	60.	Die Head Cover Screw (00R, OR, 11R, 111R, 30A, 31A)
48.	Drive Ring Housing (11R)	61.	Die Head Cover (00R, OR, 11R, 111R, 30A, 31A)
49.	Ratchet Ring (11R)	62.	Die Carrier (00R, OR, 11R, 111R)
50.	Drive Ring Cover (11R)	63.	Drive Ring Housing (OR)
51.	Die Head (OR, 11R)	64.	Ratchet Ring (OR)
52.	Body (30A, 31A)	65.	Drive Ring Cover (OR)
53.	Die Head Assembly (00R, OR, 11R, 111R)	66.	Die Head only (00R, 111R)
54.	Ratchet Knob (00R, OR, 11R, 111R)	67.	Die Head Spring (00R, 111R)
55.	Ratchet Pawl (00R, OR, 11R, 111R)	68.	Ratchet Head (00R, 111R)
56.	Pin (00R, OR, 11R, 111R)		
57.	Ratchet Spring (00R, OR, 11R, 111R)		
58.	Screw for Drive Ring (OR, 11R)		

RIDGOL
(Ridge-Oil)

Sulphur-Lard Cutting Oils

These new thread cutting oils assure you cleaner, smoother threads . . . because they penetrate quickly, cool and lubricate efficiently . . . Hundreds of comparative experiments with many oils have proved Sulphur-Lard base Dark and Nu-Clear **RIDGOL** far superior in quality. Both kinds are antiseptic, preventing risk of infection. . . They do not congeal above 20 degrees F. Furnished in 1 gallon cans; 5, 30, and 55 gallon drums.



RIGID Pipe Cutters

**Easier Faster Cutting of
All Kinds of Pipe**



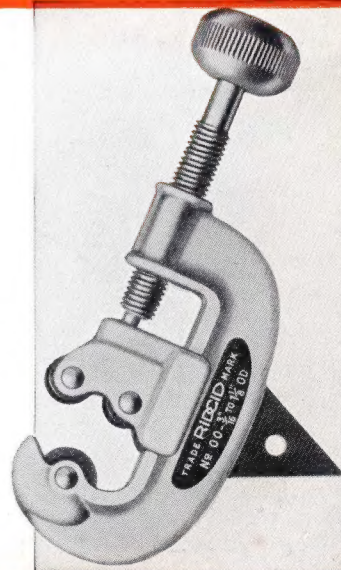
THIS cutter, with its remarkable new type cutter wheel, gives you more and cleaner pipe cuts for your money. Extra cutting power comes from the heat-treated blade, assembled in a steel-bushed hub; tough and thin, it rolls through all kinds of pipe. Extra rugged heavy-duty cutter wheels also available. The heavy-duty cutter with powerful malleable frame is made to cut true, each one tested and guaranteed. New trench-type heavy-duty cutter No. 42, with 4 cutter wheels and short handle for cutting in close quarters. All cutters can be made 3-wheel.

RIGID Tubing Cutter WITH ROLLS

**for copper, brass, aluminum tubing
and thin-wall conduit**

This remarkable little cutter rolls quickly, easily and cleanly through copper, brass or aluminum tubing and thin wall conduit. No tubing distortion. Rollers smooth the tube, ready for soldering. Compact, light, strong; always cuts true. Handy integral reamer that saves time. Wheel well protected from damage in tool kit. Razor-edge cutter wheel of alloy tool steel gives many more quick clean cuts per wheel. No. 000, $\frac{1}{8}$ " to 1" O. D.; No. 00, $\frac{3}{16}$ " to $1\frac{1}{8}$ "; No. 0, $\frac{1}{2}$ " to $2\frac{1}{8}$ ".

Patents Nos. 1,833,980; 1,896,127;
Design Patent 97,513





RIDGID

Compound Leverage Pipe Wrench

Gives You 14 Times the Turning Power of a regular Pipe Wrench of Equal Jaw Capacity

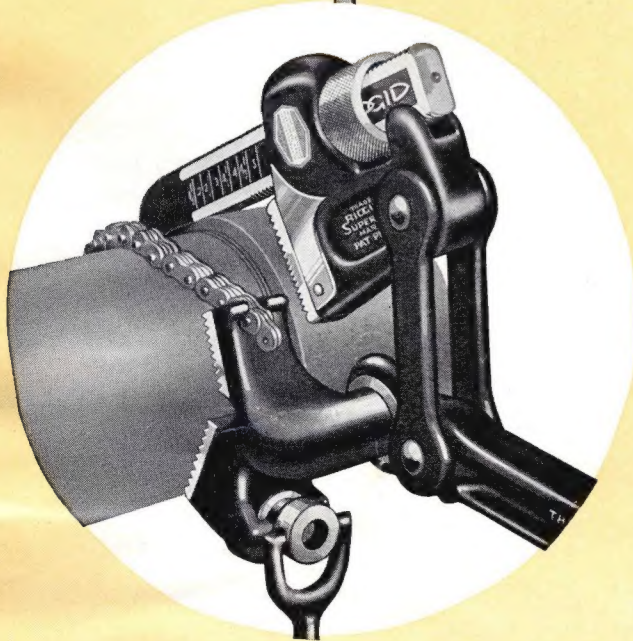
Here's a tool that quickly pays for itself in salvaged fittings, saved time and man-power. Has 14 times the leverage of an ordinary wrench of the same capacity. Starts any frozen joint; one man can tighten pipe up to 8". Two parts, trunnion and wrench, quickly attached or taken off. A profitable wrench in any kit. Four sizes for 2", 4", 6" and 8" pipe, and couplings and fittings with outside dimensions not exceeding these limits.

S-2, capacity 2" pipe, weight 6 lbs.

S-4, capacity 4" pipe, weight 28 lbs.

S-6, capacity 6" pipe, weight 40 lbs.

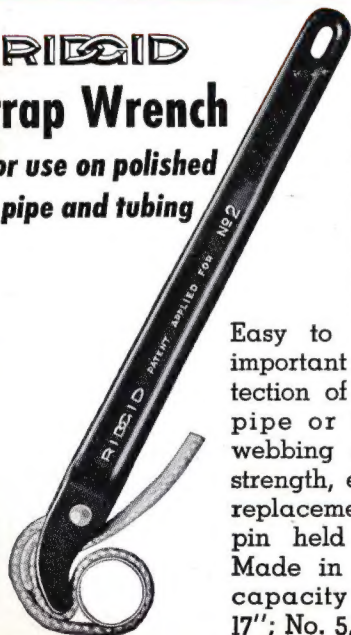
S-8, capacity 8", weight 60 lbs.



Patent No. 1,777,084

RIDGID Strap Wrench

For use on polished pipe and tubing



This new RIDGID tool is made with strong I-beam handle and solid head, all in one piece. Handy hang-up hole.

Easy to attach and use, important to have for protection of nickel or chrome pipe or tubing. Special webbing strap of unusual strength, easily taken off for replacement by pushing out pin held by spring clips. Made in two sizes: No. 2, capacity 1/8" to 2", strap 17"; No. 5, 1" to 5", strap 30".

RIDGID LongGrip Pipe Reamer



Reamer Unit

Reamer and ratchet handle complete

← 00-R ratchet handle can be used with reamer unit shown above, as well as with 00-R die heads.

Because of the long taper design of this new RIDGID reamer, it cuts burr cleanly from the inside of pipe or conduit with least possible effort—practically no pressure required. Does not reduce wall of threading end nor flare or split pipe. Furnished complete with ratchet handle; or reamer unit may be purchased separately for use in RIDGID No. 00-R small ratchet die handle. Reamer capacity is 1/8" to 2".

RIGID

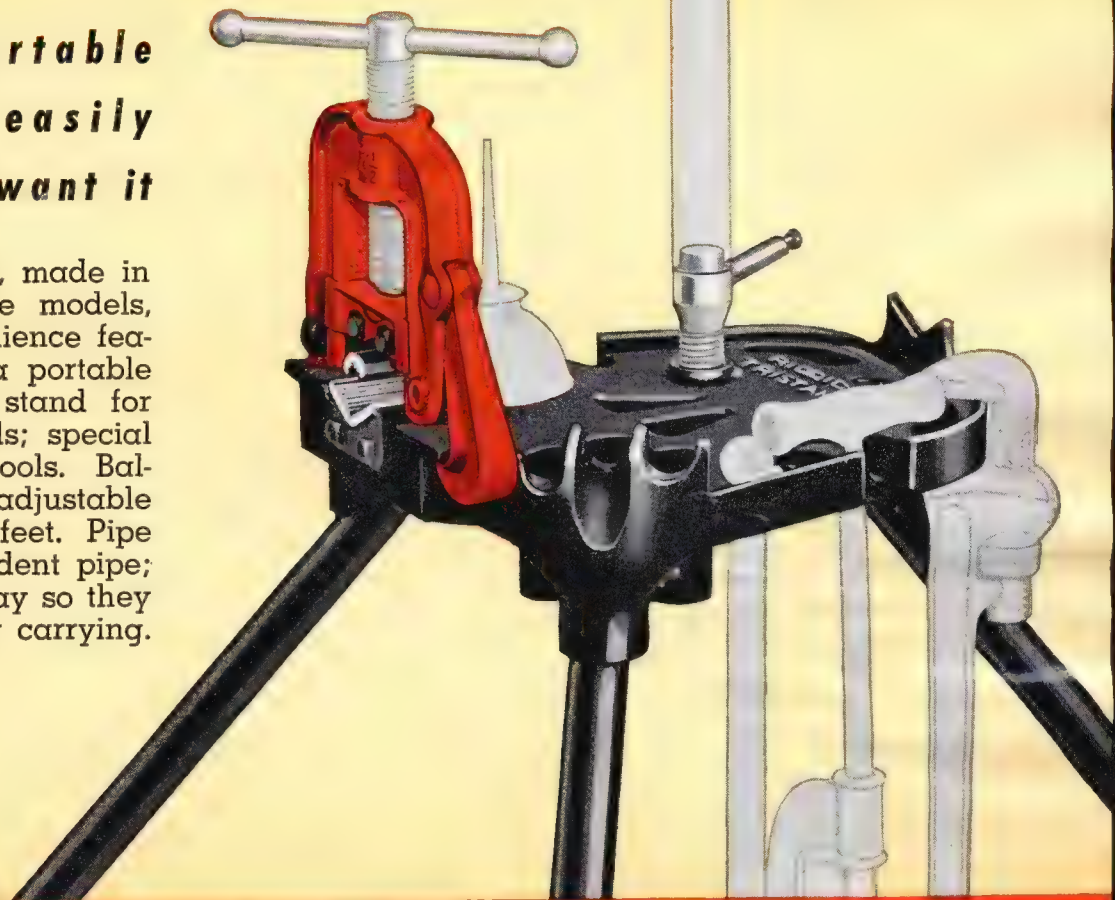
Tri-Stand Pipe Vise

*Practically a portable
workbench . . . easily
moved where you want it*

This **RIGID** Tri-Stand, made in both yoke and chain vise models, offers you so many convenience features that it's practically a portable workbench. Wide, roomy stand for dope pot, oil can and tools; special rim and slots for hanging tools. Balanced to prevent tipping; adjustable ceiling brace, screw-down feet. Pipe rest, 3 benders that won't dent pipe; legs furnished hinged at tray so they fold in, and chain for easy carrying.

RIGID Tri-Stand Pipe Vises: No
Federal Specifications required.

Design Patent No. 121,898



LonGrip jaws in yoke vises; jaws in both yoke and chain vises are of highest quality tool steel, scientifically hardened for firm grip and long wear. Yokes and bases are of strong special malleable metal. These work-saver vises give you extra value for your money.

Tri-Stand with Yoke Vise,
capacity 2½".

Tri-Stand with Chain Vise,
capacity, 4".



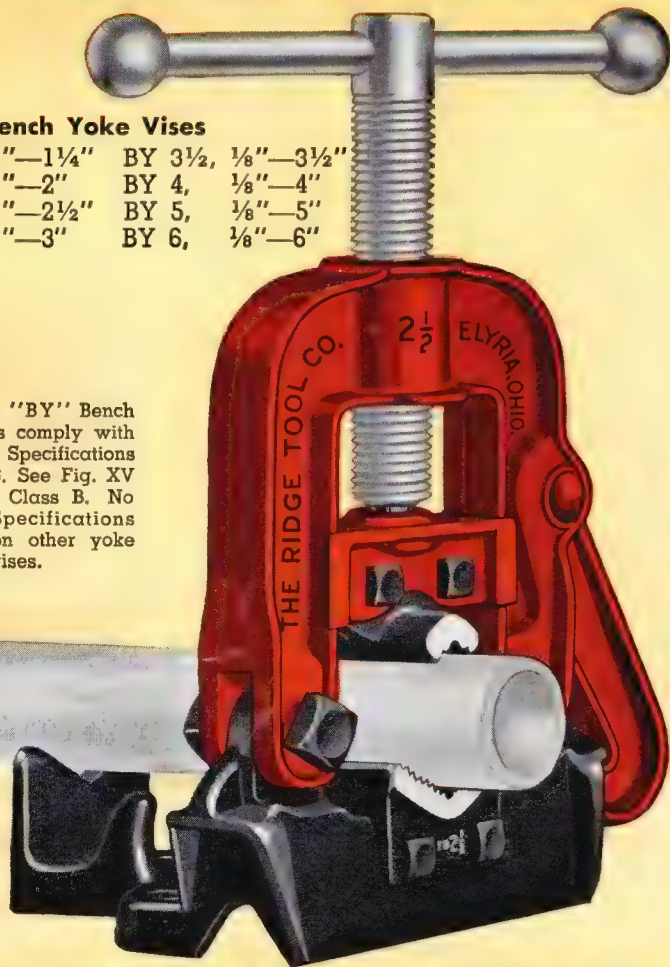
RIGID

Yoke Pipe Vises

Bench Yoke Vises

BY 1½, ⅛"—1¼"	BY 3½, ⅛"—3½"
BY 2-A, ⅛"—2"	BY 4, ⅛"—4"
BY 2½, ⅛"—2½"	BY 5, ⅛"—5"
BY 3, ⅛"—3"	BY 6, ⅛"—6"

RIGID "BY" Bench Yoke Vises comply with Federal Specifications GGG-V-436. See Fig. XV—Type X, Class B. No Federal Specifications required on other yoke vises.



LongGrip Jaws Available in 4 Sizes up to 4 Inches

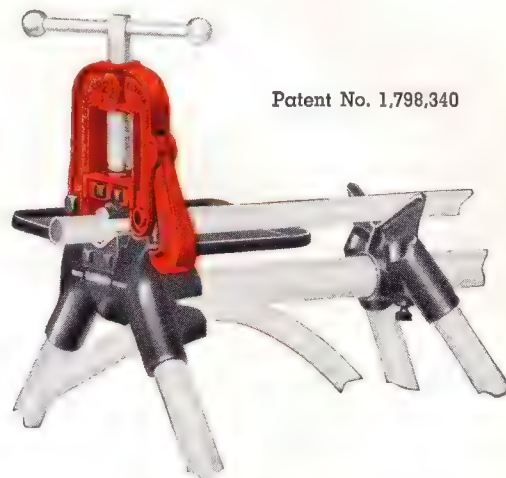
RIGID Yoke Vises are made in bench, kit, stand and post patterns, with strong special malleable yokes and bases. All are equipped with integral pipe rests and pipe benders; post vise has oil can holder, stand is fitted with convenient tool tray. Kit vise is easily attached to plank or work bench. LongGrip jaws to protect polished pipe are furnished in sizes up to 4" capacity. All jaws made of finest quality tool steel, hardened for firm grip and long wear.



Kit Vises Handy Portable Yoke Bench Vises

KY 1½, ⅛"—1¼"
KY 2-A, ⅛"—2"
KY 2½, ⅛"—2½"

Patent No. 1,798,340



Stand Yoke Vises

SY 2½, ⅛"—2½"
SY 3½, ⅛"—3½"

Legs and connection pipes not furnished.



Post Yoke Vise PY 2½

Quick put-up and take down, without tools or wedges. Capacity ⅛" to 2½".

RIGID Chain Pipe Vises

All Equipped With Handy Pipe Rests and Pipe Benders

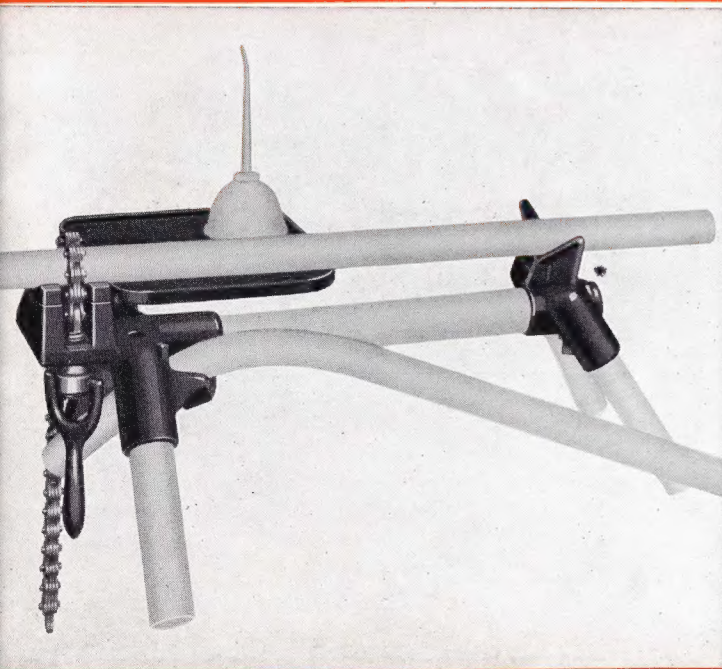
RIGID Chain Vises are speedy to use—you simply flip the chain over the pipe, tighten the screw handle. You can depend on firm grip by jaws, which are made of highest quality tool steel, scientifically hardened for long wear. Integral support to rest pipe for easier cutting or threading. Each vise has handy pipe bender. Made in bench, post, stand and Tri-stand patterns; bench chain vises in five sizes, capacities up to 8"; stand, Tri-stand and post models, capacity to 5".



Bench Chain Vises

- BC 2, 1/8"—2"
- BC 4, 1/4"—4"
- BC 5, 1/4"—5"
- BC 6, 1/2"—6"
- BC 8, 1/2"—8"

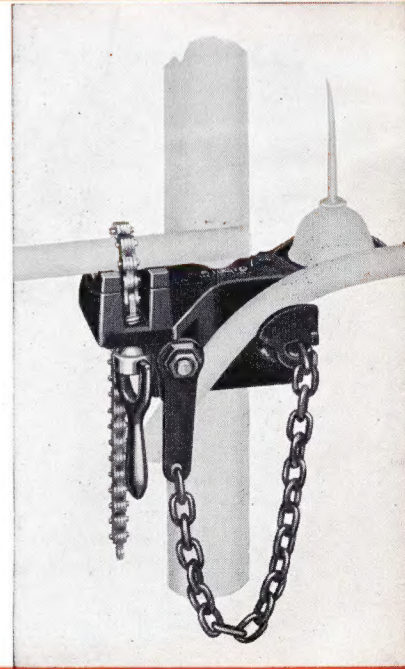
RIGID "BC" Bench Chain Vises comply with Federal Specifications GGG-V-436. See Fig. XIV—Type X, Class A. No Federal Specifications required on other chain vises.



Stand Chain Vise, SC 5
Capacity 1/8" to 5". Handy tray for tools, oil can, dope pot, etc. Convenient pipe bender. Legs and connections not furnished.

Patent No. 1,798,340

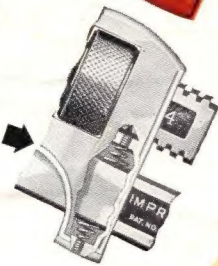
Post Chain Vise, PC 5
Made with 1 1/4" pipe bender and oil can holder. Wrench for attaching to post is chained to vise, always handy. Capacity 1/8" to 5".



The Improved Stillson made by **RIGGID**

This improved Stillson Pipe Wrench offers you new safety. Its design has removed the old-fashioned exposed flat springs that can break and cut your hands, replacing them with cone-coil safety springs inside the sturdy housing. Handle not weakened by spring rivet hole. Frame of high-grade malleable, handle and full-floating hookjaw made of special heat-treated steel. Handy accurate pipe scale on hookjaw. Wood handle wrenches, 6" to 14"; steel handle wrenches, 6" to 48".

**CONE COIL
SAFETY SPRINGS
ARE INSIDE
THE HOUSING**



RIGGID Improved Stillson Wrenches comply with Federal Specifications. Fig. 1, Type 1, Normal Duty.

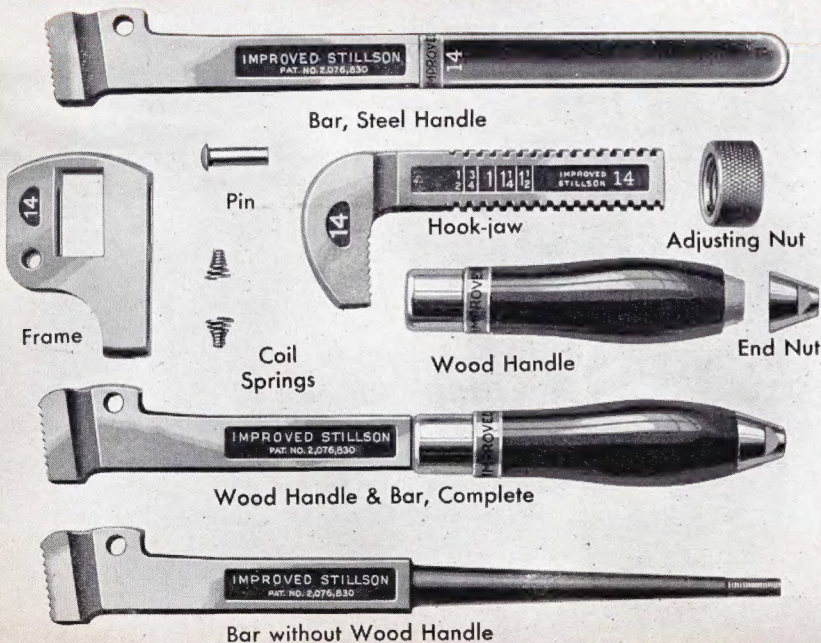
Improved Stillson List Prices

Sizes	6"	8"	10"	14"	18"	24"	36"	48"
Cap. in Inches to	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3 1/2"	5"
No. in Box	6	6	6	6	6	6	1	1
Approx. Wt. ea., lbs.	5/16	5/8	1 3/8	2 3/4	4 1/4	7 3/8	15	23
Approx. Wt. lbs., per box of 6	2	4	8 1/2	17 1/4	26 1/4	47		
Steel Handle (ea.)	\$1.90	2.20	2.85	3.85	5.50	9.50	20.00	30.00
Wood Handle (ea.)	\$2.00	2.30	3.15	4.25				

Subject to Usual Trade Discounts

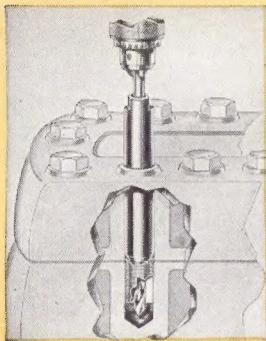
Improved Stillson Parts List Prices

Sizes	6"	8"	10"	14"	18"	24"	36"	48"
Handle	.95	1.10	1.55	2.15	3.15	5.05	10.45	16.95
Jaw	.65	.70	1.10	1.50	2.15	3.50	5.70	9.00
Frame and Pin	.45	.55	.70	.80	.95	1.75	2.75	3.50
Frame Pin Only	.03	.03	.03	.04	.04	.04	.05	.05
Adjusting Nut	.15	.15	.20	.30	.35	.55	1.10	2.00
Wood Handles and Ferrules	.23	.25	.30	.36				
End Nut	.15	.15	.20	.20				
Coil Spring	.03	.03	.03	.03	.04	.04	.04	.04
Frame, Coil Springs and Pin	.48	.58	.76	.86	1.03	1.83	2.83	3.58



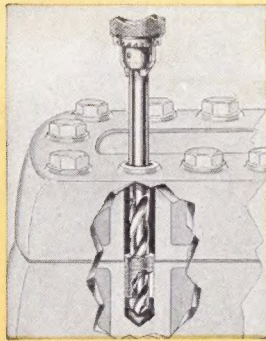
RIGID LONGRIP Pipe and Screw Extractors

New Method Takes Out Broken Threaded Ends Flush With the Surface or Down in a Hole



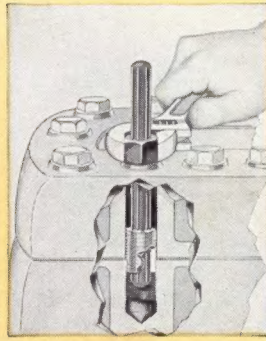
1

To remove broken-off bolt or screw ends, drill a small hole clear through the broken end using a snug fitting **RIGID** Drill Guide for precision centering. This hole is for centering the larger drill to follow.



2

Second step in safe removal of broken-off bolt ends is to remove Drill Guide, then drill out the small center hole to large diameter for receiving the husky LongGrip Straight Fluted Extractor.



3

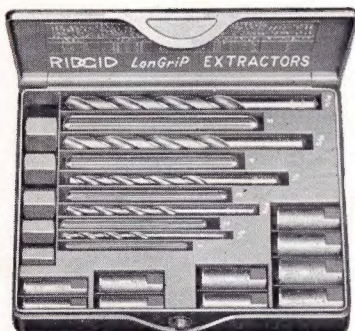
To remove drilled-out bolts or broken-off pipe ends, drive a LongGrip Extractor straight in and turn the broken end out. Straight flutes grip full length, can't slip or ream. Broken end has to come out.



THE New "LonGrip" extractor is straight, with vertical flutes that stand out from the tool. When driven into a pipe or drilled out bolt end, these flutes groove their way firmly down the entire length of broken-off end. Once inserted, straight-fluted "LonGrip"s stay put—they will not turn into or out of broken end, as with spiral tapered extractors. No damage to threads, no wedging, bottoming, slipping, reaming — no failures. Because **RIGID** "LonGrip"s are same diameter full length, they are of maximum strength — no danger of breaking. Complete range of sizes from $\frac{1}{8}$ " to 2". Perfect for screwing in fully threaded nipples in radiator connections, etc., protecting threads.

Patent No. 2,121,197

Handy Complete Sets of **RIGID** Screw Extractors



SET No. 10—For Screws of diameters $\frac{1}{8}$ " to $\frac{1}{2}$ " inclusive. Maximum depth extractions 1 inch. Contains one each of Extractors Nos. 1 to 5 inclusive, Drills Nos. 1 to 5 inclusive, Drill Guides Nos. 921 to 1821 inclusive. Twenty precision tools, packed in die cast box.

For further information about other LonGrip sets, write for special bulletin.



SET No. 25—For Screws of diameters $\frac{3}{16}$ " to 1" inclusive, and Pipe Threaded Ends of diameters $\frac{1}{8}$ " to 1" inclusive. Maximum depth extractions range 1" to 3". Contains one each of Screw Extractors Nos. 0 to 8 inclusive, Drills Nos. 0 to 8 inclusive, also one No. 36, a complete set of Drill Guides and Bushings and Pipe Extractors Nos. 80 to 85 inclusive. Sixty-five precision tools packed in a wood box having fitted compartments.

RIGID LonGrip Pipe Extractors

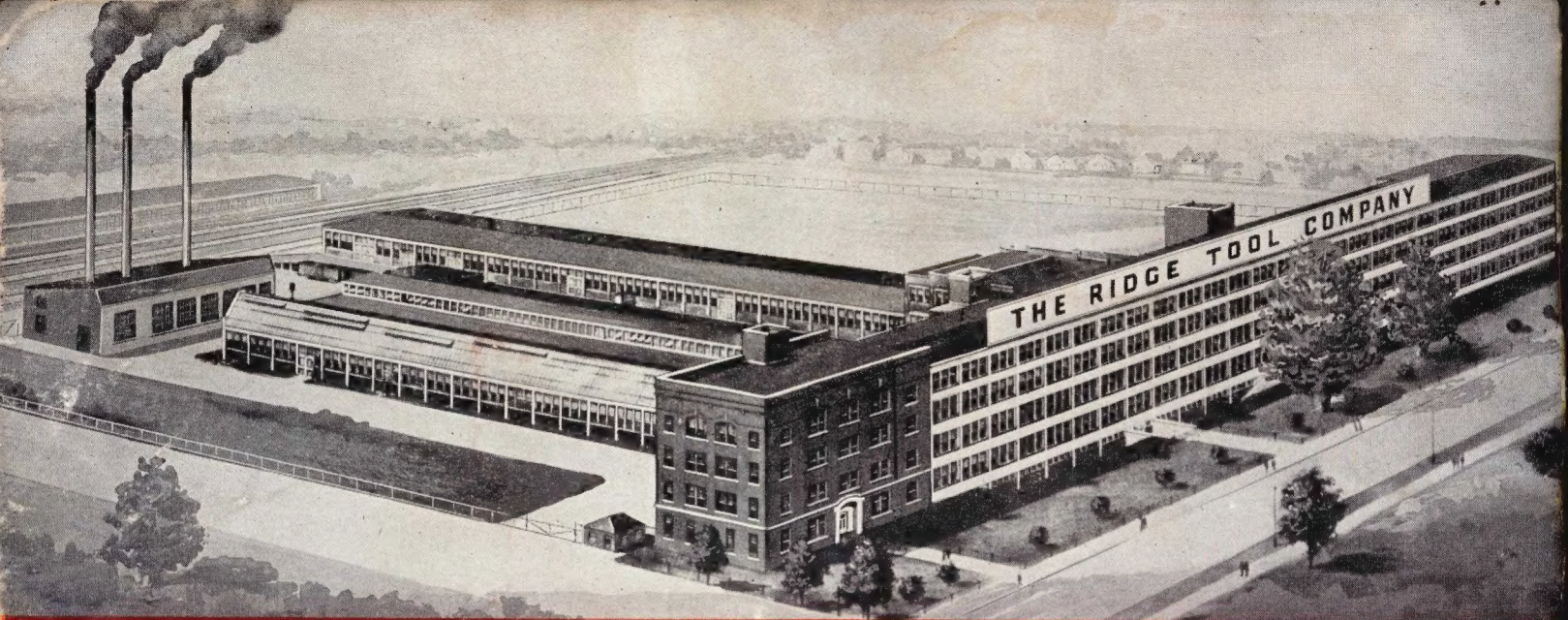
In Sets



For extracting broken threaded ends of pipe, pipe plugs, fittings, etc., that no wrench can get hold of. Each extractor is plainly marked showing drill size to use when solid ends of plugs, fittings, etc., must be drilled to receive extractor.

Set No.

880 ($\frac{1}{8}$ — $\frac{1}{2}$)	Nos. 80 to 83 inclusive
881 ($\frac{1}{4}$ — $\frac{3}{4}$)	Nos. 81 to 84 inclusive
882 ($\frac{1}{4}$ —1)	Nos. 81 to 85 inclusive
883 ($\frac{1}{8}$ —1)	Nos. 80 to 85 inclusive



RIDGID
Work-Saver
PIPE TOOLS

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